

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 92 | (381/303).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/07/18 20:45 |
| L2 | 983 | (381/304-310).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/07/18 20:45 |
| L3 | 2063 | (381/56-59).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/07/18 20:45 |
| L4 | 1 | ("20060153391").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/07/18 21:02 |
| L5 | 1 | L4 and surround | US-PGPUB; USPAT | OR | OFF | 2009/07/18 21:02 |
| S1 | 83 | (381/303).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 17:45 |
| S2 | 13 | takumai.in. and \$4speaker near20 array near20 beam\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 17:50 |
| S3 | 1 | EP-1224037-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:12 |
| S4 | 0 | WO-2001023104-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:15 |
| S5 | 0 | WO-20010023104-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:16 |
| S6 | 0 | WO-01023104-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:16 |

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| S7 | 0 | WO-01023104-\$ did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/09/12 18:34 |
| S8 | 75 | yamaha.AS. and \$4speaker near20 array near20 beam\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:34 |
| S9 | 18 | yamaha.AS. and \$4speaker near20 array near20 beam\$1 near20 (microphone\$1 sensor \$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:35 |
| S10 | 24 | yamaha.AS. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:36 |
| S11 | 26 | "381"/\$.ccls. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:38 |
| S12 | 165 | "381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:41 |
| S13 | 6 | "381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1) and (angle\$1 near20 (peak\$1 top height)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:42 |
| S14 | 1913 | (381/56-59).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:50 |
| S15 | 904 | (381/304-310).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:50 |
| S16 | 10 | "381"/\$.ccls. and (\$4speaker\$1 near20 beam\$1) and (microphone\$1 sensor \$1) and (angle\$1 near20 output) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/09/12 18:52 |

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| S17 | 3 | "381"/\$.ccls. and (\$4speaker near20 array near20 beam\$1) and (microphone\$1 sensor \$1) and (test near4 signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/02 18:05 |
| S18 | 1 | takumai.in. and (\$4speaker near20 array near20 beam\$1) and sweep\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/03 09:10 |
| S19 | 5 | "381"/\$.ccls. and (beam \$1 near20 sweep\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/05 08:25 |
| S20 | 1 | "381"/\$.ccls. and (select \$3 choos\$3) near10 (plurality number) near10 (peaks summits heights maximums) near10 test | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/05 08:46 |
| S21 | 23 | "381"/\$.ccls. and (beam \$1 near20 (turn\$3 sweep \$3)) and ((microphone\$1 sensor\$1) near20 \$4speaker\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2008/12/05 09:20 |
| S22 | 2042 | (381/56-59).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/29 11:48 |
| S23 | 977 | (381/304-310).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/29 11:48 |
| S24 | 91 | (381/303).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/29 11:48 |
| S25 | 11 | "381"/\$.ccls. and (beam \$1 near10 test\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/29 14:06 |
| S26 | 2 | S25 and (sweep near5 angle near5 (peak limit)) and (center near5 channel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/29 14:35 |

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| S27 | 0 | "381"/\$.ccls. and (beam \$1 near10 test\$3 near10 correspond\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:10 |
| S28 | 4 | "381"/\$.ccls. and (beam \$1 near10 test\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and sweep\$3 and correspond\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:10 |
| S29 | 5 | "381"/\$.ccls. and beam \$1 and (number near10 peak\$1 near10 (less small \$2)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:12 |
| S30 | 1 | "381"/\$.ccls. and (beam \$1 near10 output near10 angle) and (user near10 chang\$3 near10 listening near10 position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:16 |
| S31 | 5 | "381"/\$.ccls. and (beam \$1) and (angle\$1 near10 symmetric) and (locali \$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:21 |
| S32 | 22 | "381"/\$.ccls. and (beam \$1 and angle\$1 and symmetric and locali\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:22 |
| S33 | 2 | "381"/\$.ccls. and beam \$1 and (installat\$3 near10 position near10 information) and (\$4speak\$2 near10 array) and peak\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:28 |
| S34 | 1 | "381"/\$.ccls. and beam \$1 and (test\$3 near10 sweep\$3 near10 modulat \$3 near10 (envelope peak)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:48 |
| S35 | 1 | "381"/\$.ccls. and (beam \$1 near10 correlat\$3 near10 band) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:50 |
| S36 | 2 | "381"/\$.ccls. and (beam \$1 near20 sweep\$3) and ((microphone\$1 sensor \$1) near20 \$4speaker\$1) and (center near10 channel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 11:55 |

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| S37 | 1 | "381"/\$.ccls. and (beam \$1 near10 based near10 install\$5 near10 position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 16:11 |
| S38 | 1 | "381"/\$.ccls. and (beam \$1 near10 based near10 install\$5 near10 position) and direct\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/06/30 16:11 |
| S39 | 1 | "381"/\$.ccls. and (beam \$1 near10 no near10 correlat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO | OR | OFF | 2009/07/01 10:30 |

7/18/2009 9:09:57 PM

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